



#6

SEQUENCE LISTING

<10> Allen, Keith D.
<11> Zhang, Qin

<120> TRANSGENIC MICE CONTAINING CX2 GENE
DISRUPTIONS

<130> R-716

<140> US 09/900,518
<141> 2001-07-06

<150> US 60/216,178
<151> 2000-07-06

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35 40 45
Tyr Gly His Pro Glu Pro Glu Pro Glu Leu Phe Ser Pro Ser
50 55 60
Met His Glu Asp Leu Arg Val Glu Glu Gln Glu Gln Gln Glu Pro His
65 70 75 80
Gln Gln Gly His Arg Thr Pro Lys Lys Ala Ile Lys Pro Lys Lys Ala
85 90 95
Pro Lys Arg Glu Lys Leu Val Ala Glu Thr Pro Pro Pro Gly Lys Asn
100 105 110
Ser Asn Arg Lys Gly Arg Arg Ser Lys Asn Leu Glu Lys Ala Ala Ser
115 120 125
Asp Asp His Gly Val Pro Val Ala His Glu Asp Val Arg Glu Ser Cys
130 135 140
Pro Pro Leu Gly Leu Glu Thr Leu Lys Ile Thr Asp Phe Gln Leu His
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Ala Ser Thr Ser Lys Arg Tyr Gly Leu Gly Ala His Arg Gly Arg Leu
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Asn Ile Gln Ala Gly Ile Asn Glu Asn Asp Phe Tyr Asp Gly Ala Trp
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Cys Ala Gly Arg Asn Asp Leu His Gln Trp Ile Glu Val Asp Ala Arg
195 200 205
Arg Leu Thr Lys Phe Thr Gly Val Ile Thr Gln Gly Arg Asn Ser Leu
210 215 220
Trp Leu Ser Asp Trp Val Thr Ser Tyr Lys Val Met Val Ser Asn Asp
225 230 235 240
Ser His Thr Trp Val Thr Val Lys Asn Gly Ser Gly Asp Met Ile Phe
245 250 255
Glu Gly Asn Ser Glu Lys Glu Ile Pro Val Leu Asn Glu Leu Pro Val
260 265 270
Pro Met Val Ala Arg Tyr Ile Arg Ile Asn Pro Gln Ser Trp Phe Asp
275 280 285
Asn Gly Ser Ile Cys Met Arg Met Glu Ile Leu Gly Cys Pro Leu Pro
290 295 300
Asp Pro Asn Asn Tyr Tyr His Arg Arg Asn Glu Met Thr Thr Thr Asp
305 310 315 320
Asp Leu Asp Phe Lys His His Asn Tyr Lys Glu Met Arg Gln Leu Met
325 330 335
Lys Val Val Asn Glu Met Cys Pro Asn Ile Thr Arg Ile Tyr Asn Ile
340 345 350
Gly Lys Ser His Gln Gly Leu Lys Leu Tyr Ala Val Glu Ile Ser Asp
355 360 365

His Pro Gly Glu His Glu Val Gly Glu Pro Glu Phe His Tyr Ile Ala
 370 375 380
 Gly Ala His Gly Asn Glu Val Leu Gly Arg Glu Leu Leu Leu Leu
 385 390 395 400
 Leu His Phe Leu Cys Gln Glu Tyr Ser Ala Gln Asn Ala Arg Ile Val
 405 410 415
 Arg Leu Val Glu Glu Thr Arg Ile His Ile Leu Pro Ser Leu Asn Pro
 420 425 430
 Asp Gly Tyr Glu Lys Ala Tyr Glu Gly Gly Ser Glu Leu Gly Gly Trp
 435 440 445
 Ser Leu Gly Arg Trp Thr His Asp Gly Ile Asp Ile Asn Asn Asn Phe
 450 455 460
 Pro Asp Leu Asn Ser Leu Leu Trp Glu Ala Glu Asp Gln Gln Asn Ala
 465 470 475 480
 Pro Arg Lys Val Pro Asn His Tyr Ile Ala Ile Pro Glu Trp Phe Leu
 485 490 495
 Ser Glu Asn Ala Thr Val Ala Thr Glu Thr Arg Ala Val Ile Ala Trp
 500 505 510
 Met Glu Lys Ile Pro Phe Val Leu Gly Gly Asn Leu Gln Gly Gly Glu
 515 520 525
 Leu Val Val Ala Tyr Pro Tyr Asp Met Val Arg Ser Leu Trp Lys Thr
 530 535 540
 Gln Glu His Thr Pro Thr Pro Asp Asp His Val Phe Arg Trp Leu Ala
 545 550 555 560
 Tyr Ser Tyr Ala Ser Thr His Arg Leu Met Thr Asp Ala Arg Arg Arg
 565 570 575
 Val Cys His Thr Glu Asp Phe Gln Lys Glu Glu Gly Thr Val Asn Gly
 580 585 590
 Ala Ser Trp His Thr Val Ala Gly Ser Leu Asn Asp Phe Ser Tyr Leu
 595 600 605
 His Thr Asn Cys Phe Glu Leu Ser Ile Tyr Val Gly Cys Asp Lys Tyr
 610 615 620
 Pro His Glu Ser Glu Leu Pro Glu Glu Trp Glu Asn Asn Arg Glu Ser
 625 630 635 640
 Leu Ile Val Phe Met Glu Gln Val His Arg Gly Ile Lys Gly Ile Val
 645 650 655
 Arg Asp Leu Gln Gly Lys Gly Ile Ser Asn Ala Val Ile Ser Val Glu
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 Gly Val Asn His Asp Ile Arg Thr Ala Ser Asp Gly Asp Tyr Trp Arg
 675 680 685
 Leu Leu Asn Pro Gly Glu Tyr Val Val Thr Ala Lys Ala Glu Gly Phe
 690 695 700
 Ile Thr Ser Thr Lys Asn Cys Met Val Gly Tyr Asp Met Gly Ala Thr
 705 710 715 720
 Arg Cys Asp Phe Thr Leu Thr Lys Thr Asn Leu Ala Arg Ile Arg Glu
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 <213> Artificial Sequence

<220>
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caggagctct ggccgcgcgg ggcgtattat gggcatccgg agcctgagcc ggagccggag 180
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<210> 4

<211> 200

<212> DNA

<213> Artificial Sequence

<220>

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tgagccCAGC caaaAGTCCTG tggtgcCTGT gttattCCCT agagactaca tctgagctAA 180
gttcagctt ctctccctgc 200